

Applicants: GINZBURG, Boris et al.
Serial No.: 10/673,205
Filed: September 9, 2003
Page 2

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DEC 21 2006

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listing of claims in the Application. Please amend the claims to read as follows:

1. **(Currently Amended)** A method of selecting channels, the method comprising:
determining a current area where a wireless device is currently situated;
using said determination to identify [[identifying]] a plurality of channels useable
for transmissions in [[an]] said current area; and
scanning said plurality of channels according to a scanning order associated with
said current area, to find a channel being currently used for transmissions in the
current area.
2. **(Currently Amended)** A method as in claim 1, comprising identifying a wireless
basic service set operating in said current area.
3. **(Previously Presented)** A method as in claim 2, wherein identifying said wireless
basic service set comprises assuming said service set has been recently associated
with.
4. **(Currently Amended)** A method as in claim 1, comprising identifying a basic
service set operating in said current area.
5. **(Currently Amended)** A method as in claim 1, wherein identifying comprises
referring to a list of at least one channel previously used for transmissions in said
current area.
6. **(Original)** A method as in claim 1, comprising selecting a channel upon which to
associate.
7. **(Previously Presented)** A method as in claim 6, wherein selecting includes at least
evaluating a quality of transmission of at least one of said plurality of channels.
8. **(Currently Amended)** A method as in claim 1, comprising updating a list of
channels useable for transmissions in said current area with data collected in a scan
of said plurality of identified channels.
9. **(Original)** A method as in claim 1, comprising updating a list of service sets with
service sets that are identified during said scanning.

Applicants: GINZBURG, Boris et al.
Serial No.: 10/673,205
Filed: September 9, 2003
Page 3

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DEC 21 2006

10. (Previously Presented) A method as in claim 1, comprising updating said scanning order based on data collected about said plurality of channels.
11. (Currently Amended) A wireless communication device comprising:
a processor to determine a current area where the wireless communication device is currently situated and use said determination to identify a plurality of channels usable for transmissions in said current area and select at least one of said plurality of channels for scanning according to a scanning order associated with said current area; and
~~a memory to store data about [[a]] said plurality of channels, usable for transmissions in an area; and a processor to select at least one of said plurality of channels for scanning according to a scanning order associated with said area.~~
12. (Original) A device as in claim 11, wherein said processor is to detect a service set and select at least one channel used for transmissions with said service set.
13. (Currently Amended) A device as in claim 11, wherein said processor is to detect a basic service set operating in said current area and to select at least one channel used for transmissions in [[an]] the current area of said basic service set.
14. (Original) A device as in claim 11, wherein said memory is to store data about channels used for transmissions with at least one service set.
15. (Currently Amended) A device as in claim 11, wherein said memory is to store data about transmitters in [[an]] the current area of a basic service set.
16. (Original) A device as in claim 11, wherein said processor is to select an access point for association based on a quality of transmission with said access point.
17. (Original) A device as in claim 11, wherein said processor is to update said memory with data collected in said scanning.
18. (Original) A device as in claim 11, wherein said processor is to order for scanning said at least one selected channel based on data collected in past associations on said at least one selected channel.
19. (Currently Amended) An article comprising a processor readable storage medium having instructions for a processor stored thereon [[instructions]] that, when executed by [[a]] the processor, result in:

Applicants: GINZBURG, Boris et al.
Serial No.: 10/673,205
Filed: September 9, 2003
Page 4

determining a current area where a wireless device is currently situated;
using said determination to identify [[identifying]] a plurality of channels useable
for transmissions in [[an]] said current area; and
scanning said plurality of channels according to a scanning order associated with
said current area, to find a channel being currently used for transmissions in the
current area.

20. (Original) An article as in claim 19, wherein said execution of said instructions further result in updating a table of said identified channels with data collected during a scan.
21. (Original) An article as in claim 19, wherein said execution of said instructions further result in ordering said identified channels for scanning based on data collected on said channels.
22. (Currently Amended) A communication device comprising:
a dipole antenna;
a processor to determine a current area where the wireless communication device is
currently situated and use said determination to identify a plurality of channels
usable for transmissions in said current area and select at least one of said plurality
of channels for scanning according to a scanning order associated with said current
area; and
~~a controller to identify a plurality of channels useable for transmissions in an area;~~
a memory to store data about [[a]] said plurality of channels, ~~and~~
~~a processor to select at least one of said plurality of channels for scanning according~~
~~to a scanning order associated with said area, to a channel being currently used for~~
~~transmissions in the area.~~
23. (Currently Amended) A communication device as in claim 22, wherein said
[[controller]] processor is to detect a service set operating in said current area and
select at least one channel used for transmissions with said service set.
24. (Currently Amended) A communication device as in claim 22, wherein said
[[controller]] processor is to update a table of channels with data collected during a
scan.

Applicants: GINZBURG, Boris et al.
Serial No.: 10/673,205
Filed: September 9, 2003
Page 5

25. **(Previously Presented)** A communication system comprising:
- a station;
 - an access point;
 - a controller to identify at least one channel to be scanned in an area from among a plurality of channels upon which said access point transmits; and
 - a memory to store data about said plurality of channels useable for transmissions in said area, wherein said data includes at least a scanning order associated with said area.
26. **(Original)** A communication system as in claim 25, wherein said controller is used to detect a service set in said area.
27. **(Original)** A communication system as in claim 25, wherein said controller is to update a table of said identified channels with data collected on said at least one channel.